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**BEST AVAILABLE COPY****REMARKS**

Claims 1-15 are pending in the present Application. Claims 1, 6, and 11 have been amended, leaving Claims 1-15 for consideration upon entry of the present Amendment.

Claims 1, 6, and 11 have been amended to better define Applicants' claimed invention. Support for these amendments can at least be found in the specification, figures, and claims as originally filed.

Applicants respectfully request that these amendments be entered because they 1) do not raise new issues that would require further consideration and/or search because; 2) they do not raise issues of new matter because; 3) no new claims have been added; and 4) the amendments place the claims in a better condition for allowance.

No new matter has been introduced by these amendments. Reconsideration and allowance of the claims are respectfully requested in view of the above amendments and the following remarks.

**IDS**

Applicants have filed an Information Disclosure Statement (IDS) on July 14, 2004. The Examiner has yet to return a signed and initialed PTO-1449 form relating to that IDS. As such, Applicants respectfully request that the Examiner return a signed and initialed PTO-1449 form acknowledging that the Examiner has considered the art cited therein.

**Claim Rejections Under 35 U.S.C. § 102(b)**

Claims 1-2, 6-7, and 11-12 stand rejected under 35 U.S.C. § 102(b), as allegedly anticipated by U.S. Patent No. 6,147,451 to Shibata et al. Applicants respectfully traverse this rejection.

To anticipate a claim, a reference must disclose each and every element of the claim. *Lewmar Marine v. Varient Inc.*, 3 U.S.P.Q.2d 1766 (Fed. Cir. 1987).

Claims 1-2 include the following limitation: "a voltage source line is provided for each column; and voltage from a voltage source is provided to each said column from only one end of said voltage source line". Claims 6-7 include the following limitation: "a data line

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is provided for each column; and a data signal is provided to each of said column from only one end of said data line". Further, Claims 11-12 include the following limitation: "a voltage source line and a data line are provided for each column; and voltage from a voltage source is provided to each of said column from only one end of said voltage source line and a data signal is provided to each of said column from only one end of said data line". Shibata et al. do not disclose these limitations.

Rather, Figure 2 of Shibata et al. shows that both ends of voltage source lines 6 are connected to an X-driver 32 and both ends of data lines 5 are connected to an X-driver 32. Since Applicants claim that voltage from a voltage source is provided to each the column from only one end of the voltage source line (Claims 1-2 and 11-12) and a data signal is provided to each of the column from only one end of the data line (Claims 6-7 and 11-12), Shibata et al. fail to teach each and every element of Applicants' claimed invention. Accordingly, Claims 1-2, 6-7, and 11-12 are not anticipated and are therefore allowable over Shibata et al.

#### Claim Rejections Under 35 U.S.C. § 103(a)

Claims 3, 8, and 13 stand rejected under 35 U.S.C. § 103(a), as allegedly unpatentable over U.S. Patent No. 6,147,451 to Shibata et al. in view of U.S. Patent No. 4,837,566 to Channing et al. Claims 4-5, 9-10, and 14-15 stand rejected under 35 U.S.C. § 103(a), as allegedly unpatentable over U.S. Patent No. 6,147,451 to Shibata et al. in view of U.S. Patent No. 4,837,566 to Channing et al., and further in view of U.S. Patent No. 6,421,034 to Mihara. Applicants respectfully traverse these rejections.

For an obviousness rejection to be proper, the Examiner must meet the burden of establishing that all elements of the invention are disclosed in the prior art. *In re Fine*, 5 U.S.P.Q.2d 1596, 1598 (Fed. Cir. 1988); *In Re Wilson*, 165 U.S.P.Q. 494, 496 (C.C.P.A. 1970).

Claims 3-5 include all of the limitations of independent Claim 1. Claims 8-10 include all of the limitations of independent Claim 6. Claims 13-15 include all of the limitations of independent Claim 11. As explained above, Shibata et al. fail to teach or suggest all of the

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elements of at least each of the independent claims (Claims 1, 6, and 11). Moreover, neither Channing et al. nor Mihara cure the deficiencies of Shibata et al. In other words, Shibata et al., either alone or in combination with Channing et al. and Mihara, fail to teach or suggest at least that voltage from a voltage source is provided to each the column from only one end of the voltage source line; and a data signal is provided to each of the column from only one end of the data line. Accordingly, independent Claims 1, 6, and 11 are not obvious over Shibata et al. in view of Channing et al. and Mihara. Moreover, as dependent claims from an allowable independent claim, Claims 3-5, 8-10, and 13-15 are, by definition, also allowable.

In view of the foregoing, it is respectfully submitted that the instant application is in condition for allowance. Accordingly, it is respectfully requested that this application be allowed and a Notice of Allowance issued. If the Examiner believes that a telephone conference with Applicants' attorneys would be advantageous to the disposition of this case, the Examiner is cordially requested to telephone the undersigned.

If there are any additional charges with respect to this Amendment or otherwise, please charge them to Deposit Account No. 06-1130.

Respectfully submitted,

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